

ERD Environmental Aspects Analysis						
Environmental Aspect	Activity	Legal Reg	Significance Criteria*		Impact Level	Significant** (Yes/No)
			Likelihood/Risk	Magnitude/Consequence		
<i>Paper Consumption</i>	Disposal of paper from copying and printing	No	H	M	HM	Yes
	Purchasing paper for copying and printing	No	H	H	HH	Yes
<i>Chemical consumption</i>	Material storage - spills	Yes	L	M	LM	Yes
	Laboratory studies	No	H	L	HL	Yes
	Field Operations	No	L	L	LL	No
	Landscaping	No	H	M	HM	No
<i>Water Consumption</i>	1. Facility water supply and landscape irrigation	No	H	H	HH	Yes
<i>Air emissions (stack)</i>	1. Facility operations - boilers, generator, hoods	Yes	H	L	HL	Yes
	2. Wet chemistry	Yes	H	L	HL	No
<i>Energy Consumption (electricity, natural gas, diesel, gasoline)</i>	1. Facility operations (climate control-air-heat, lighting, maintenance)	No	H	H	HH	Yes
	2. Computer operations	No	H	H	HH	Yes
	7. Instrumentation - including computing cluster and chemistry equipment	No	H	H	HH	Yes
	3. Field operations (vehicle travel-use -maintenance)	No	H	L	HL	No

	4. Materials input - shipping and fuel costs	No	H	L	HL	No
	5. Materials output - shipping and fuel costs	No	H	L	HL	No
	6. Travel (GOV, airplane) fuel use	No	H	L	HL	No
<i>Purchasing</i>	Purchasing furniture, computers, etc.	No	H	H	HH	Yes

*High (H), Medium (M), Low (L)

**HH, HM, MH - High Impact; HL, MM, LH = Medium Impact; LL, ML, LM - Low Impact. Those aspects rated HH were determined to warrant targets and objectives. Those having other ratings, but rated “yes” were selected based on importance to the Team and/or being recognized as easy to address at this time.

This SEA table is a modification of that developed by the EMS Team on 2/5/04. The modifications were made primarily by Candida West and were based upon consultation with ERG, additional EMS training, and discussions with individuals at ERD (Team and non-Team staff members).